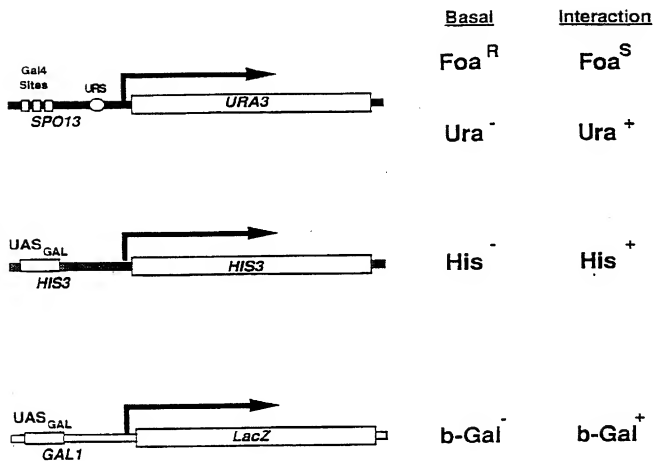


FIGURE 1

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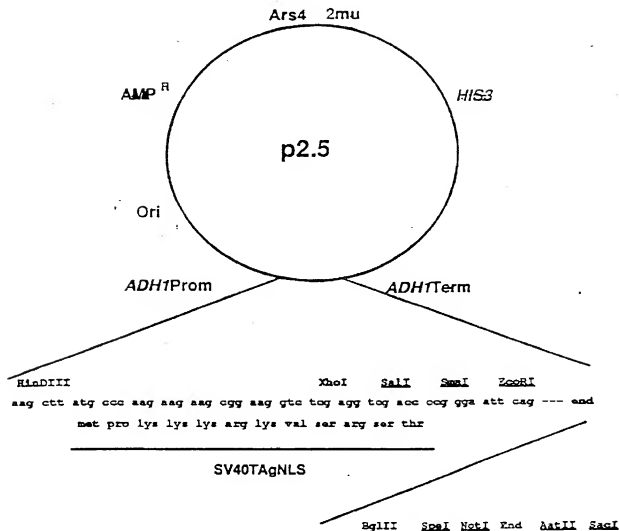


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FIGURE 2

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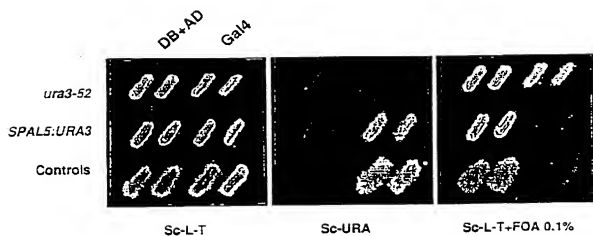


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FIGURE 3

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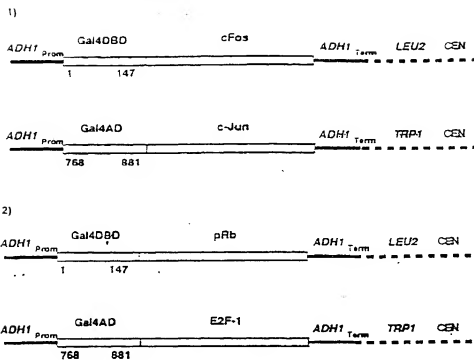


1002724 123101

FIGURE 4

Matter No.: 10974-239005
Applicant(s): Marc Vidal et al.
REVERSE TWO-HYBRID SYSTEMS

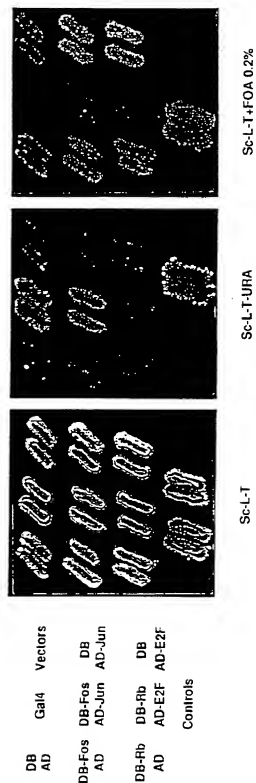
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FIGURE 5

T01221-61222003



1007619 = 121011

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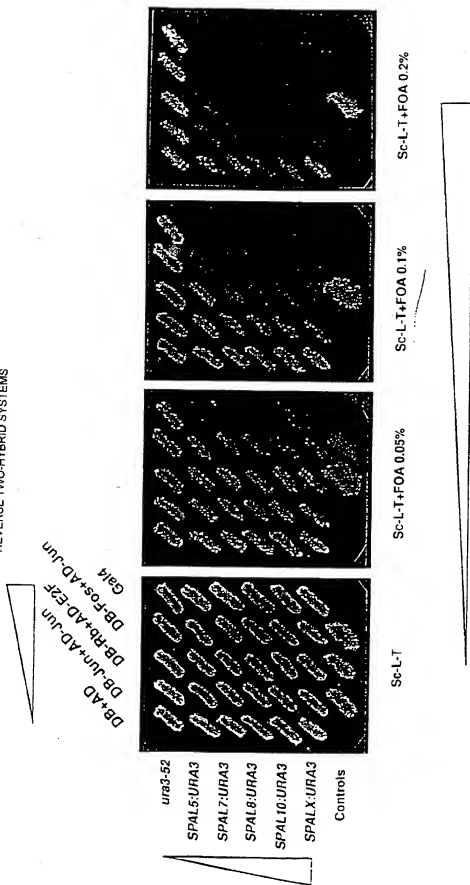
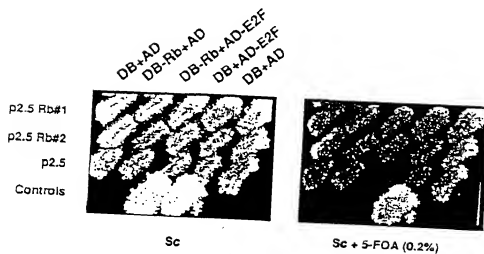


FIGURE 7

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101221 61272001






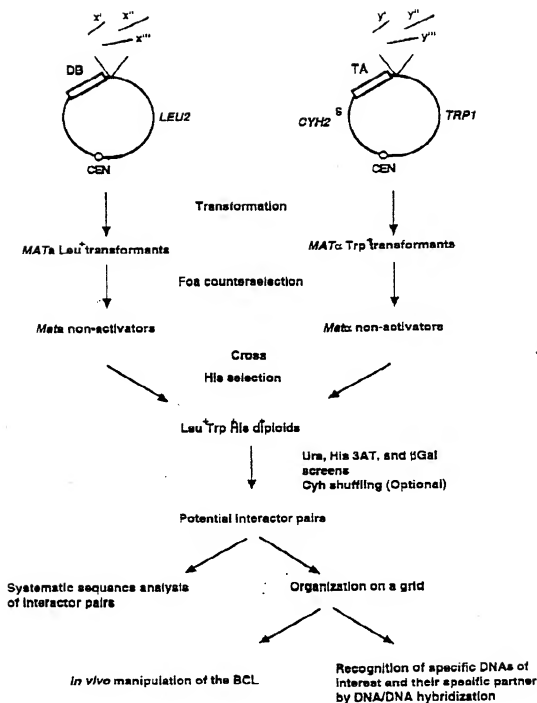
DB+AD		Sc-L-T	FOA 0.2%	Sc-URA	3AT 10mM	X-GAL
DB-pRb+AD-E2F1						
DB-Fos+AD-Jun						
Gal4+AD						
DB-dDP1+AD-dE2F						

FIGURE 9



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10027219.102101

GAL4
146 147

VAL SER SER ARG SER THR PRO GLY ILE GLN ILE TYR END
GTA TCG TCG AGC TCG ACC CGG GGA ATT CAG ATC TAC TAG TCGCGCCG

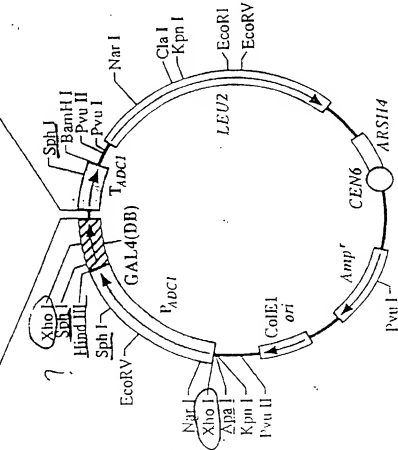
Sal I Sma I EcoR I Bgl II Spe I Not I

END END END
T_{ADCI}
TAACTAGTAAAGCGTCTAAGTAACTAGTAAAGCGGCCGCGCGCGTGAAGCTTT
Sac II
Aat II Sac I

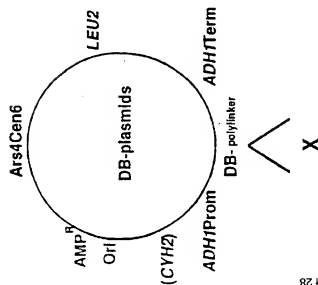
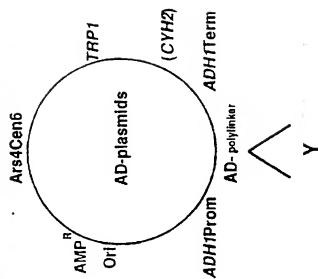
VAL SER SER ARG SER THR PRO GLY ILE GLN ILE TYR END
GTA TCG TCG AGC TCG ACC CGG GGA ATT CAG ATC TAC TAG TCGCGCCG

Sal I Sma I EcoR I Bgl II Spe I Not I

END END END
T_{ADCI}
TAACTAGTAAAGCGTCTAAGTAACTAGTAAAGCGGCCGCGCGCGTGAAGCTTT
Sac II
Aat II Sac I

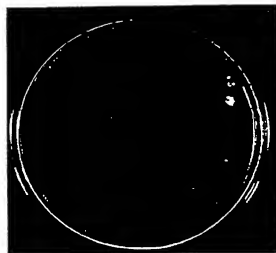
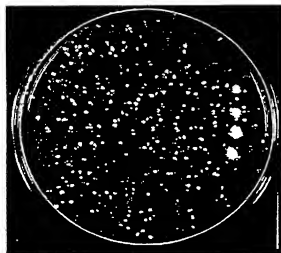
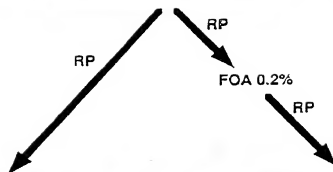
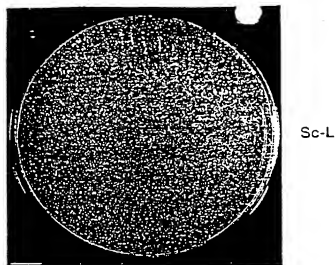


101227-612/2001



DB-X	Total	Hls+	Retested	Known Interacting	"Novel" Interacting	False positive
None	1x10 ⁶	1	0			
p130	5x10 ⁵	19	9	0	5 → 2	
DP1	2x10 ⁵	7	7	6 → 2	1 → 1	
pRb	1x10 ⁶	20	0			
p35	1x10 ⁶	20	8	0	8 → 2	0
CDK3	1x10 ⁶	38	16			
CDK3	1x10 ⁶	38	16			
DCC1	3x10 ⁶	81	23	0		
Zebu	1x10 ⁶	81	23			

FIGURE 12

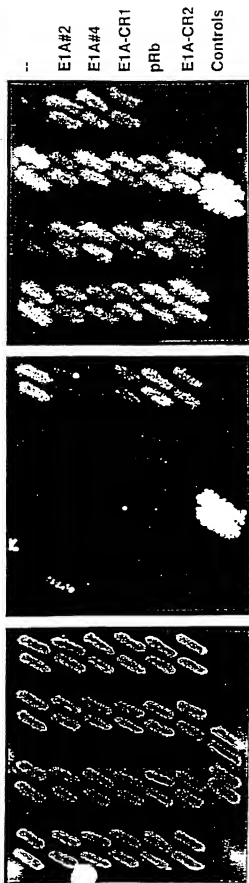


DB-X	AD-Y	AD-pRb	AD-107	AD-130	DP1	CDK2	Jun	None
None								
E2F1		2	1					
E2F2		1	1					
E2F3					2			
E2F4								
Fos							24	
Jun								
CyclinA								
p21								39
DCC1								

FIGURE 14

101221-61222007

DB-Rb + AD
DB-P107 + AD
DB-P107 + AD-E2F-4



Sc-L-T-H

Sc-L-T-H-U

Sc-L-T-H+FOA 0.2%

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FIGURE 15

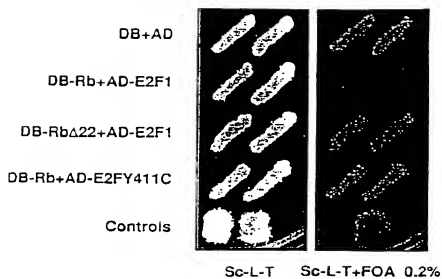


FIGURE 16

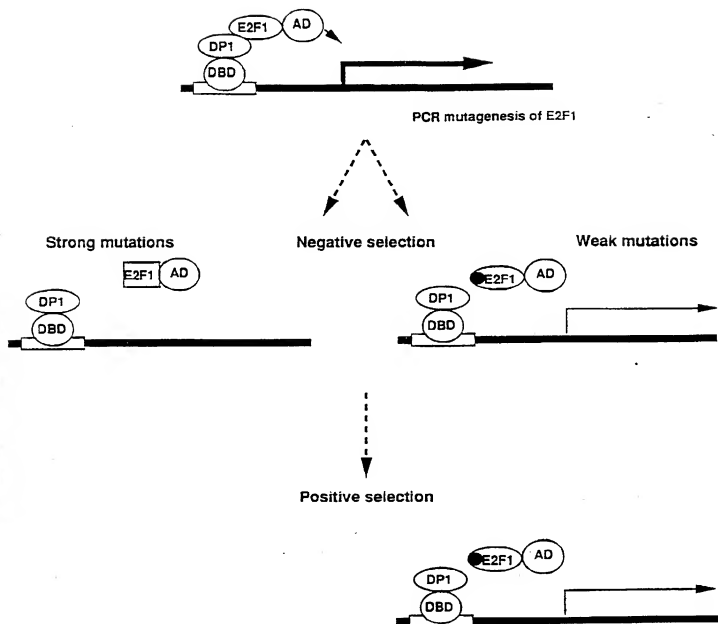


FIGURE 17
101221-61242001

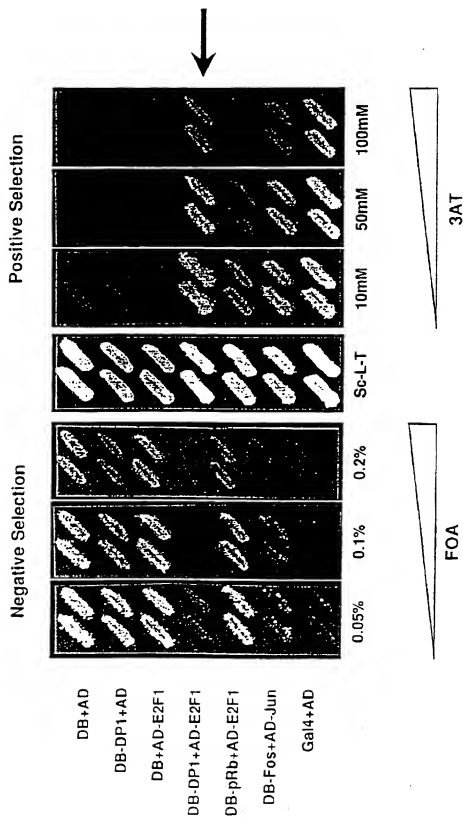


FIGURE 18A

PCR reaction

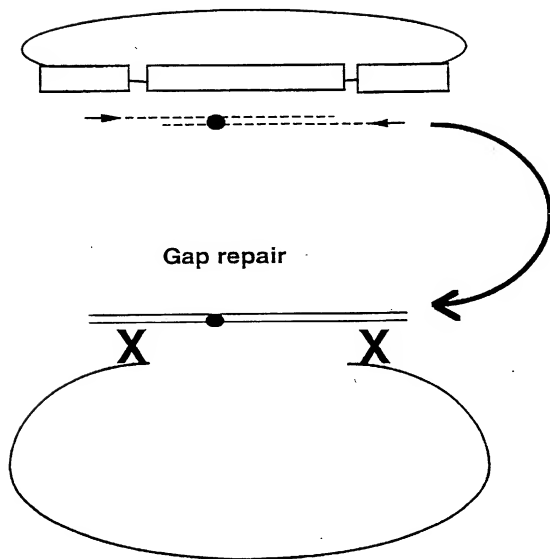
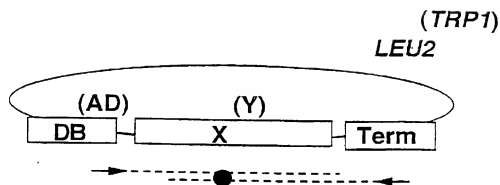


FIGURE 18B

In vitro mutagenic PCR reaction



In vivo gap repair

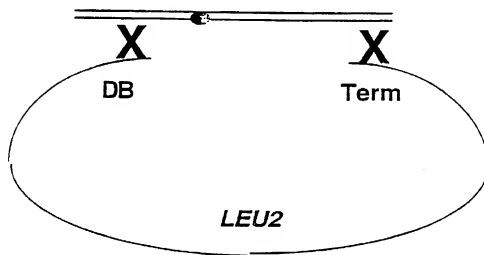


FIGURE 19

FOA 0.1% 3AT 10mM

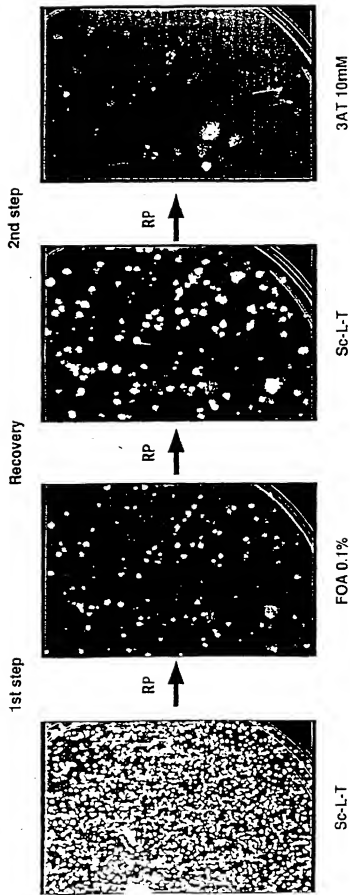


FIGURE 20

101221-612/2001

DB-DP1 +

AD-E2F1-20

AD-E2F1-30

AD-E2F1-31

AD-E2F1-32

AD-E2F1-34

AD-E2F1

Controls 1,2,3,4



Sc-L-T



FOA 0.1%



3AT 20mM



Sc-L-T+XGal



Sc-L-T-U

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FIGURE 21

101221" 61272001

MARKED BOX 2

283	Q	I	N	L	K	S	H	S	G	P	I	H	V	L	L	I	N	K	E2F5
	Q	I	H	L	K	S	V	S	G	P	I	E	V	L	L	V	N	K	E2F4
	Q	I	H	L	A	S	T	Q	G	P	I	E	V	Y	L	C	P	E	E2F3
	Q	I	Y	L	K	S	T	Q	G	P	I	E	V	Y	L	C	P	E	E2F2
	Q	I	S	L	K	S	K	Q	G	P	I	D	V	F	L	C	P	E	E2F1
	T																		E2F1-20
								P			G								E2F1-30
	T																		E2F1-32
																			E2F1-31
	N																		E2F1-65

FIGURE 22

101221-612/2001

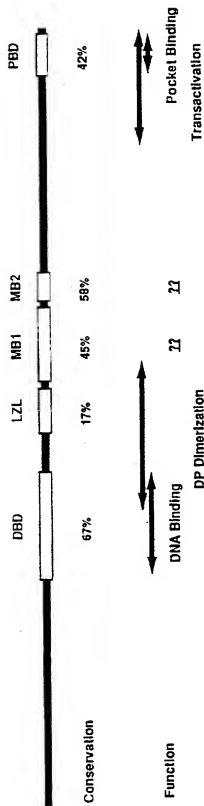


FIGURE 23A

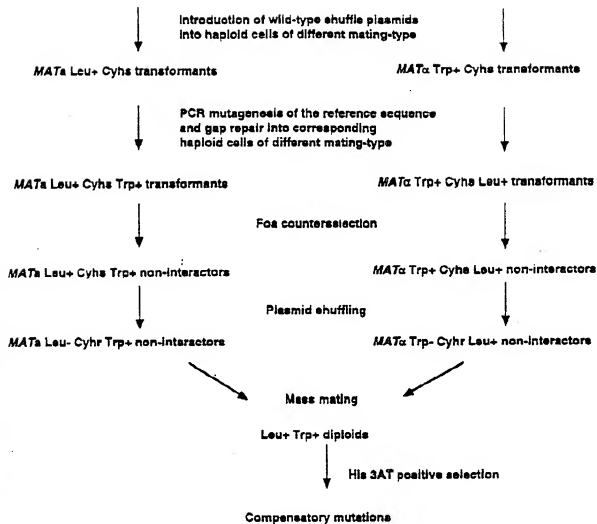
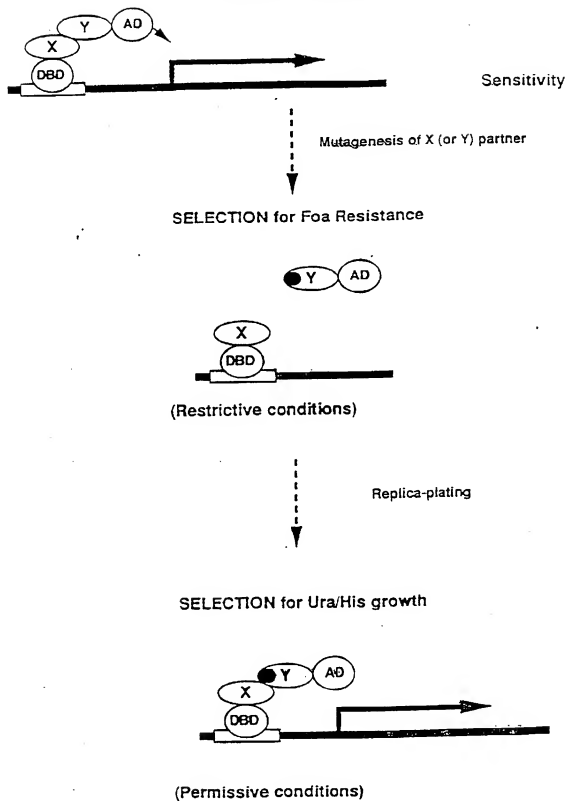


FIGURE 23B

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FIGURE 24

101221-51242007

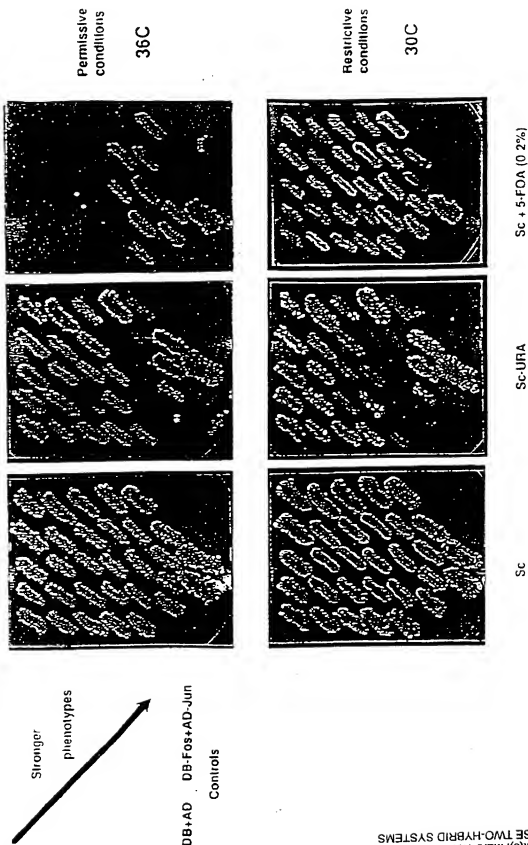


FIGURE 25

